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Washington, D.C. 20231

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 1 of 5

In the Application of BARCHFIELD et al.

Serial No.: 09/044,696

Art Unit: ~~Unassigned~~ 1641

Filed: March 18, 1998

Examiner: Unassigned

Title: DETOXIFIED MUTANTS OF BACTERIAL ADP-RIBOSYLATING TOXINS AS PARENTERAL ADJUVANTS

U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
	AA-1						

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES	NO
SD	AB-1	92/19265,	November 12, 1992	PCT				
SD	AC-1	93/13202	July 8, 1993	PCT				
SD	AD-1	95/17211	June 29, 1995	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
SD	AE-1	Agren et al., "Genetically Engineered Nontoxic Vaccine Adjuvant That Combines B Cell Targeting with Immunomodulation by Cholera Toxin A1 Subunit," <i>J. Immunol.</i> 158:3936-3946(1997)

Examiner:

SD

Date Considered: 02 Aug-99

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Patent Office

Atty Dkt No. 1393.002
Client No. 2302-1393
PATENT

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Title: DETOXIFIED MUTANTS OF BACTERIAL ADP-RIBOSYLATING TOXINS AS PARENTERAL ADJUVANTS

Exam. Init.	Ref. Desig.	Description
SD	AF-1	*Akhiani et al., "Effect of Cholera Toxin on Vaccine-Induced Immunity and Infection in Murine Schistosomiasis Mansonii," <i>Infection and Immunity</i> <u>61</u> (11):4919-4924 (1993)
	AG-1	*Clements et al., "Adjuvant Activity of <i>Escherichia coli</i> Heat-Labile Enterotoxin and Effect on the Induction of Oral Tolerance in Mice to Unrelated Protein Antigens," <i>Vaccine</i> <u>6</u> :269-277, 1988
	AH-1	*Elson, "Cholera Toxin as a Mucosal Adjuvant," <i>Mucosal Vaccines</i> Chapter 4:59-72 (1996)
	AI-1	*Elson, "Cholera Toxin and its Subunits as Potential Oral Adjuvants," <i>Curr. Top. Microbiol. Immunol.</i> <u>146</u> :29-33 (1989)
	AJ-1	*Elson et al., "A Lavage Technique Allowing Repeated Measurement of IgA Antibody in Mouse Intestinal Secretions," <i>Journal of Immunological Methods</i> <u>67</u> :101-108 (1984)
	AK-1	*Elson et al., "Generalized Systemic and Mucosal Immunity in Mice After Mucosal Stimulation With Cholera Toxin," <i>The Journal of Immunology</i> <u>132</u> (6):2736-2741 (1984)
	AL-1	*Elson et al., "Ir Gene Control of the Murine Secretory IgA Response to Cholera Toxin," <i>Eur. J. Immunol.</i> <u>17</u> :425-428 (1987)
SD	AM-1	*Elson et al., "Cholera Toxin Feeding Did Not Induce Oral Tolerance in Mice and Abrogated Oral Tolerance to an Unrelated Protein Antigen," <i>The Journal of Immunology</i> <u>133</u> (6):2892-2897 (1984)

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Art Unit: ~~Unassigned~~

1641

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Exam. Init.	Ref. Desig.	Description
SD	AN-1	Gizurason et al., "The Effect of Cholera Toxin and Cholera Toxin B Subunit on the Nasal Mucosal Membrane," <i>Vaccine</i> 9:825-832 (1991)
	AO-1	Glenn et al., "Skin Immunization Made Possible by Cholera Toxin," <i>NATURE</i> 391:851 (1998)
	AP-1	Hirabayashi et al., "Involvement of Antigen-Presenting Cells in the Enhancement of the <i>In Vitro</i> Antibody Responses by Cholera Toxin B Subunit," <i>Immunology</i> 75:493-498 (1992)
	AQ-1	Hirabayashi et al., "Comparison of Intranasal Inoculation of Influenza HA Vaccine Combined With Cholera Toxin B Subunit With Oral or Parenteral Vaccination," <i>Vaccine</i> 8:243-248 (1990)
	AR-1	Hirabayashi et al., "H-2-Unrestricted Adjuvant Effect of Cholera Toxin B Subunit on Murine Antibody Responses to Influenza Virus Haemagglutinin," <i>Immunology</i> 72:329-335 (1991)
	AS-1	Holmgren et al., "Cholera Toxin and Cholera B Subunit as Oral-Mucosal Adjuvant and Antigen Vector Systems," <i>Vaccine</i> 11:1179-1183 (1993)
SD	AT-1	Kikuta et al., "Cross-Protection Against Influenza B Type Virus Infection by Intranasal Inoculation of the HA Vaccines Combined with Cholera Toxin B Subunit," <i>Vaccine</i> 8:595-599 (1990)

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Exam. Init.	Ref. Desig.	Description
SD	AU-1	Lycke et al., "The Adjuvant Effect of <i>Vibrio Cholerae</i> and <i>Escherichia Coli</i> Heat-Labile Enterotoxins is Linked to Their ADP-Ribosyltransferase Activity," <i>Eur. J. Immunol.</i> <u>22</u> :2277-2281 (1992)
	AV-1	Lycke et al., "Strong Adjuvant Properties of Cholera Toxin on Gut Mucosal Immune Responses to Orally Presented Antigens," <i>Immunology</i> <u>59</u> :301-308 (1986)
	AW-1	Nathaniel F. Pierce, "The Role of Antigen Form and Function in the Primary and Secondary Intestinal Immune Responses to Cholera Toxin and Toxoid in Rats," <i>J. Exp. Med.</i> <u>148</u> :195-206 (1978)
	AX-1	Pierce et al., "Cellular Kinetics of the Intestinal Immune Response to Cholera Toxoid in Rats," <i>J. Exp. Med.</i> <u>142</u> :1550-1563 (1975)
	AY-1	Snider, "The Mucosal Adjuvant Activities of ADP-Ribosylating Bacterial Enterotoxins," <i>Critical Review in Immunology</i> <u>15</u> (3&4):317-348 (1995)
	AZ-1	Tamura et al., "Cross-Protection Against Influenza Virus Infection Afforded By Trivalent Inactivated Vaccines Inoculated Intranasally with Cholera Toxin B Subunit," <i>The Journal of Immunology</i> <u>149</u> (3):981-988 (1992)
SD	BA-1	Tamura et al., "Protection Against Influenza Virus Infection by a Two-Dose Regimen of Nasal Vaccination Using Vaccines Combined With Cholera Toxin B Subunit," <i>Vaccine</i> <u>7</u> :314-320 (1989)

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Exam. Init.	Ref. Desig.	Description
SD	BB-1	Tamura et al., "Enhancement of Protective Antibody Responses by Cholera Toxin B Subunit Inoculated Intranasally With Influenza Vaccine," <i>Vaccine</i> <u>7</u> :257-262 (1989)
	BC-1	Tamura et al., "Protection Against Influenza Virus infection by Vaccine Inoculated Intranasally With Cholera Toxin B Subunit," <i>Vaccine</i> <u>6</u> :409-413 (1988)
	BD-1	Tamura et al., "Effectiveness of Cholera Toxin B Subunit as an Adjuvant for Nasal Influenza Vaccination Despite Pre-Existing Immunity to CTB," <i>Vaccine</i> <u>7</u> :503-505 (1989)
	BE-1	Van Der Heijden et al., "Manipulation of Intestinal Immune Responses Against Ovalbumin by Cholera Toxin and its B Subunit in Mice," <i>Immunology</i> <u>72</u> :89-93 (1991)
	BF-1	Wilson et al., "Adjuvant Effect of Cholera Toxin on the Mucosal Immune Response to Soluble Proteins, Differences Between Mouse Strains and Protein Antigens," <i>Scand. J. Immunol.</i> <u>29</u> :739-745 (1989)
SD	BG-1	Wilson et al., "Adjuvant Action of Cholera Toxin and Pertussis Toxin in the Induction of IgA Antibody Response to Orally Administered Antigen," <i>Vaccine</i> <u>11</u> (2):113-115 (1993)

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SD	AB-1	'95/34323	December 21, 1995	PCT				
SD	AC-1	97/02348	January 23, 1997	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
SD	AD-1	Bowen et al., "Cholera Toxin Acts as a Potent Adjuvant for the Induction of Cytotoxic T-Lymphocyte Responses With Non-Replicating Antigens," <i>Immunology</i> <u>81</u> :338-342 (1994)

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